

**CONFIDENTIAL**

14 December 1950

P 79C

MEMORANDUM FOR: THE RECORD

SUBJECT : RCA - UMTR-1 Radio Receiver-Transmitter  
(P-79C)

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2. On 7 December, Mr. I. R. Saddler, RCA Government Contract Representative, advised that Mr. Heller, RCA engineer directly concerned with the UMTR-1 modification, wished to confer with the customer. The purpose of this proposed meeting would be for him to assimilate the philosophy of the work desired, and offer for comment certain methods of accomplishing the desired results.

3. Since it is impossible for me to visit Camden while complying with the doctor's orders regarding rest periods, the possibility of having Heller come to Washington was explored. It developed he has no Agency approval. Accordingly arrangements were made for a meeting to be held in the RCA Washington office.

4. A meeting was held on 14 December with the following in attendance:

Art Dunn  
Steve HellerRCA Washington Representative  
RCA, Camden, Engineering  
TSS/APD  
TSS/APD

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5. Mr. Dunn stayed in the meeting just long enough to make certain no financial or contracting matters would be discussed. Heller opened by stating that our six standard UMTR-1's had been built and tested, and turned over for shipment. Then he described in some detail the arrangements he had devised for the modified (body concealed) sets. After discussion, it was decided the modified sets will be as follows:

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a. The radio proper will be fitted into an underarm holster, which will be equipped with straps and tie-downs to hold it securely in place on the body of the user.

b. The microphone and loudspeaker will be small enough to permit concealment in the clothing, and will be equipped with cords connecting into the top of the radio. The radio will include additional amplifiers as necessary for the microphone.

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c. A wire antenna will be provided and will be built into a strap supporting the holster and crossing the user's back. It will plug into the top of the radio.

d. Transmit-receive switching will be done with a switch mounted on the radio and actuated by pressure from the under side of the user's upper arm. (For transmit-only missions this switch may be taped down; this will have an appreciable but not serious effect on the battery life.)

e. In most other respects the modified UMTR-1 will be similar to the standard commercial set.

6. Barring unforeseen difficulties, at least a portion of the modified sets will be available by the end of March 1957.



TSS/APD

25X1

**Distribution:**

- 1 - P-79C
- 1 - Chrono

WLS:ls

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